

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		(sterili\$6 or saniti\$6 or disinfect\$4 or deconatminat\$4 or antimicrob\$5) and (HEXAHOP or hexahydroisoalpha or "hexahydro-iso-alpha)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 10:14
		and @ad<"20020919"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:56
		"2003" / "0013773"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:27
		S11 and @ad<"20020919" and food and (sterili\$6 or saniti\$6 or disinfect\$4 or decontamina\$5 or antimicro\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:26
L3	14	cinnamaldehyde with emulsif\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 09:04
L4	1	NaOH near5 biodegradable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 09:04
L5	12	NaOH with biodegradable	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/17 09:50
L6	2189	(422/28).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 09:51

## EAST Search History

S1	2	"20040146619"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 14:48
S2	13	(decontamin\$5 or steril\$7 or saniti\$5 or disinfect\$4) with (hop adj acid or alpha adj acid or beta adj acid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 13:56
S3	8	S2 and @ad<"20020919"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 14:07
S4	13	(decontamin\$5 or steril\$7 or saniti\$5 or disinfect\$4) with (hop adj acid or alpha adj acid or beta adj acid or "beta-acid" or "alpha-acid" or "beta-acids" or "alpha-acids")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 13:57
S5	23	HEXAHOP	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 14:08
S6	0	S5 and @ad<"20020919"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 14:08
S7	3	(US-20030015480-\$).did. or (US-6547971-\$).did. or (US-6326185-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/09/26 14:21
S8	0	S7 and hexahdroisoalpha	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 14:22
S9	2	"20040146619"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 14:23

## EAST Search History

S10	6	((("5286506") or ("5455038") or ("5082975"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/26 14:29
S11	38	hexahydroisoalpha adj acid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 14:30
S12	23	S11 and @ad<"20020919"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 14:31
S13	8	S11 and @ad<"20020919" and food	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 14:32
S14	0	S11 and @ad<"20020919" and food and (sterili\$6 or saniti\$6 or disinfect\$4 or decontamina\$5 or antimicro\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 14:33
S15	2	"2003/0013773"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:27
S16	26	"5455038"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:30
S17	2	("5455038").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 09:31

## EAST Search History

S18	2	("5286506").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 09:36
S19	4	("7005453").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/27 09:39
S20	38	hexahydroisoalpha	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:55
S21	23	S20 and @ad<"20020919"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:40
S22	8	S21 and food	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:51
S23	23	HexaHop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:54
S24	0	S23 and @ad<"20020919"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:51
S25	4	S23 and @ad<"20030919"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:51

## EAST Search History

S26	41	hexahydroisoalpha or "hexa-hydro-iso-alpha"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 09:58
S27	25	S26 and @ad<"20020919"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:56
S28	10	S27 and food	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 09:57
S29	0	2002/0051804	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:44
S30	2	"20020051804"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 14:44
S31	8	(US-20020051804-\$ or US-20030015480-\$ or US-20040146619-\$).did. or (US-5286506-\$ or US-6547971-\$ or US-7005453-\$).did. or (US-5455038-\$ or US-6326185-\$). did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/04/13 09:51
S32	42	hexahydroisoalpha	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 09:53
S33	1	S31 and (hexahydroisoalpha or HEXAHOP)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 09:53

## EAST Search History

S34	21	(US-20020051804-\$ or US-20030015480-\$ or US-20040146619-\$ or US-20040091558-\$ or US-20060134248-\$ or US-20060177531-\$ or US-20050220914-\$ or US-20050043404-\$ or US-20020007084-\$).did. or (US-5286506-\$ or US-6547971-\$ or US-7005453-\$ or US-6198004-\$ or US-5624701-\$ or US-5583262-\$ or US-5370897-\$ or US-5013571-\$). did. or (US-5455038-\$ or US-6326185-\$ or US-20040146619-\$ or US-20020007084-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/04/13 09:57
S35	5	S34 and ((hexahydroisoalpha or "hexa-hydro-iso-alpha" or HEXAHOP) and (sterili\$6 or saniti\$6 or decontaminat\$4 or disinfect\$4 or antimicrob\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 10:03
S36	14	(sterili\$6 or saniti\$6 or disinfect\$4 or deconatminat\$4 or antimicrob\$5) and (HEXAHOP)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 10:14
S37	16	(sterili\$6 or saniti\$6 or disinfect\$4 or deconatminat\$4 or antimicrob\$5) and (HEXAHOP or hexahydroisoalpha or "hexahydro-iso-alpha")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 10:16
S38	17	(sterili\$6 or saniti\$6 or disinfect\$4 or deconatminat\$4 or antimicrob\$5) and (HEXAHOP or hexahydroisoalpha or "hexahydro-iso-alpha" or "hexahydro-isoalpha")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 10:26
S39	18	(sterili\$6 or saniti\$6 or disinfect\$4 or deconatminat\$4 or antimicrob\$5) and (HEXAHOP or hexahydroisoalpha or "hexahydro-iso-alpha" or "hexahydro-isoalpha" or HHIAA)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 10:29

## EAST Search History

S40	18	(sterili\$6 or saniti\$6 or disinfect\$4 or deconatminat\$4 or antimicrob\$5) and (HEXAHOP or hexahydroisoalpha or "hexahydro-iso-alpha" or "hexahydro-isoalpha" or HHIAA or hexahydro adj iso-alpha or hexahydro adj isoalpha)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 10:31
S41	42	(sterili\$6 or saniti\$6 or disinfect\$4 or deconatminat\$4 or antimicrob\$5 inhibit\$3) and (HEXAHOP or hexahydroisoalpha or "hexahydro-iso-alpha" or "hexahydro-isoalpha" or HHIAA or hexahydro adj iso-alpha or hexahydro adj isoalpha)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 10:53
S42	42	(sterili\$6 or saniti\$6 or disinfect\$4 or deconatminat\$4 or antimicrob\$5 or inhibit\$3) and (HEXAHOP or hexahydroisoalpha or "hexahydro-iso-alpha" or "hexahydro-isoalpha" or HHIAA or hexahydro adj iso-alpha or hexahydro adj isoalpha)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 11:00
S43	67	(HEXAHOP or hexahydroisoalpha or "hexahydro-iso-alpha" or "hexahydro-isoalpha" or HHIAA or hexahydro adj iso-alpha or hexahydro adj isoalpha)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 11:06
S44	4	("3552975").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/13 11:08
S45	2456	detergent with (sodium adj hydroxide or NaOH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 14:49
S46	614	detergent near4 (sodium adj hydroxide or NaOH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 14:49

## EAST Search History

S47	418	detergent near3 (sodium adj hydroxide or NaOH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 14:49
S48	221	detergent near2 (sodium adj hydroxide or NaOH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 14:49
S49	108	detergent near1 (sodium adj hydroxide or NaOH)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 14:55
S50	112755	("422").CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/13 14:55
S51	3	S50 and (detergent near1 (sodium adj hydroxide or NaOH))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/13 14:55
S52	67	(HEXAHOP or hexahydroisoalpha or "hexahydro-iso-alpha" or "hexahydro-isoalpha" or HHIAA or hexahydro adj iso-alpha or hexahydro adj isoalpha or hexa-hydroisoalpha)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 14:00
S53	67	(HEXAHOP or hexahydroisoalpha or "hexahydro-iso-alpha" or "hexahydro-isoalpha" or HHIAA or hexahydro adj iso-alpha or hexahydro adj isoalpha or hexahydro adj iso-alpha)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 14:41
S54	1	((("63352756") or ("6423317"))).PN.	USPAT	OR	OFF	2007/04/16 14:00
S55	2	((("6352756") or ("6423317"))).PN.	USPAT	OR	OFF	2007/04/16 14:00
S56	2	("5679716").PN. OR ("6423317").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/16 14:07



## EAST Search History

S57	2	"20040091558"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 14:42
S58	3	"20040137097"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/16 14:42